

Amendments to the Specification

Please replace paragraph 22, line 30, on page 12 with the following:

“~~Fig. 27~~ Figs. 27A-C shows a schematic diagram of interconnections in the UPS of Fig. 16.”

Please replace paragraphs 2 and 3, line 7, on page 25 with the following:

“A front perspective view of the UPS 500 is shown in FIG. 16, and a rear perspective view of the UPS 500 is shown in FIG. 17. The UPS 500 is installed within a closed rack 502 having a front door 504. A display interface 506 is attached to the front door 504. In one embodiment, the display interface has a liquid crystal display, five user buttons, status lights and a beeper. The UPS 500 also includes a top portion 508 having a removable wiring access cover 510 and a main input gland plate 512. Output power cables 514 exit the UPS rack through the gland plate 512. In FIG. 16, seven output power cables are shown, however, the actual number of output power cables used may vary depending on a user's requirements. Also, as shown in FIG. 16, the ends of the power cords may be terminated in a connector ~~516~~ 517. In one embodiment, the UPS may be shipped from a manufacturing site with connectors mounted on all of the power cords, greatly simplifying installation of the UPS. The length of the power cords may be application specific or the power cords may be designed having fixed lengths.

Referring to FIG. 17, the back ~~514~~ 515 of the UPS 500 includes a main input access panel 516, a maintenance bypass access panel 518, and an underfloor wiring access cover 520. In FIG. 17, a power track 521, similar to the power tracks discussed above, is mounted on the roof. Also, data tracks, described above, may also be mounted to the top of the UPS 500.”

Please replace paragraph 4, line 31, on page 27 with the following:

Interconnection of the components of the UPS 500 will now be described with reference to ~~FIG. 27~~ FIGS. 27A-27C, which is a schematic diagram showing the major interconnections in the UPS 500. Input power is provided at terminal block 540A (either directly or as a result of a connection to terminal block 540B), and the input power passes to input switch Q1. When switch Q1 is in the closed position (normal operation), the input power passes to the input of the static bypass module 530 and to an input filter 542. In normal operation, the input AC power is provided to the power modules 526 over AC bus 544. Each of the power modules functions as an on-line UPS (without the battery) and provides output AC power on output AC power bus 546. The output AC power bus is coupled to output switch Q2 through an output filter 548. In normal operation, switch Q2 is closed to provide the output power to the output circuit breaker distribution panel 522.”

Please replace paragraph 1, line 10, on page 28 with the following:

“Each of the battery modules 528 provides DC power to a DC power bus 550 through DC battery disconnect ~~536~~ 537. Only four battery modules are shown in ~~FIG. 27~~ FIG. 27B, however, as shown in FIG. 18, in one embodiment, up to sixteen battery modules may be included in the UPS 500. Each of the power modules receives DC power from the DC power bus, and generates the output AC power from one of the input AC power and the input DC power. DC power may also be provided from an external DC power source as shown in ~~FIG. 27~~ FIG. 27B.”

Please replace paragraph 3, line 26, on page 28 with the following:

“The intelligence modules 524A and 524B are also coupled to the power/communications cards 538. In ~~FIG. 27~~ FIG. 27A, the intelligence modules are shown coupled to a com card 538A that provides connection from one of the intelligence modules to smart cards 538B and to the display 506. The com card 538A also provides connection for each of the intelligence modules to a service panel interface from which the status of switches Q1, Q2 and Q3 are monitored.”

Applicant(s): Neil Rasmussen et al.
U.S.S.N.: 10/775,551

Please replace paragraph 1, line 1, on page 29 with the following:

“The static bypass module ~~530~~ 531 includes an input filter 552, an output filter 558, a backfeed contactor 554 and a static switch 556. The backfeed contactor opens when the UPS operates on battery power to prevent backfeed of AC to the input power lines. The static switch 556 is controlled by the main intelligence module or the redundant intelligence module, and is activated to bypass the circuitry of the UPS upon detection of a failure in the UPS to allow the input power to be provided directly to the output of the UPS 500.”